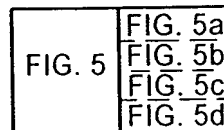




10/12

FIG. 5b



PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

-----AAGCGGCCCGCAACCCCATAGAGGTGGGTGTTACCCCTTAATAATCCTTC
GAATGGAAGAAGCGGACCCCAACCCACATAAAAGGTGGGTGTTACGCTGAATAATCCTTC
GAATGGAAGAAGCGGACCCCAACCCACATAAAAGGTGGGTGTTACGCTGAATAATCCTTC
GAATGGAAGAAGCGGACCCCAACCCCATAGAGGTGGGTGTTACTCTGAATAATCCTTC
GAATGGAAGAAGCGGACCCCAACCCCATAGAGGTGGGTGTTACTCTGAATAATCCTTC

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

CGAGGAGGAGAAAAACAAATACGGGAGCTTCCAATCTCCCTTTTGGATTATTTTGTGTTG
CGAAGACGAGCGCAAGAAAAATACGGGAGCTCCAATCTCCCTATTGATTATTTTATGTTG
CGAAGACGAGCGCAAGAAAAATACGGGAGCTCCAATCTCCCTATTGATTATTTTATGTTG
CGAAGACGAGCGCAAGAAAAATACGGGATCTTCCAATATCCCTATTGATTATTTTATGTTG
CGAAGACGAGCGCAAGAAAAATACGGGATCTTCCAATATCCCTATTGATTATTTTATGTTG

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

CGGAGAGGAAGGTTTGAAGAGGGTAGAAGTCTCCTCACCTCCAGGGGTTTGCAGATTTTGTG
TGGCGAGGAGGGTAATGAGGAAGGACGAACACCTCACCTCCAGGGGTTTGCAGATTTTGTG
TGGCGAGGAGGGTAATGAGGAAGGACGAACACCTCACCTCCAGGGGTTTGCAGATTTTGTG
TGGCGAGGAGGGTAATGAGGAAGGACGAACACCTCACCTCCAGGGGTTTGCAGATTTTGTG
TGGCGAGGAGGGTAATGAGGAAGGACGAACACCTCACCTCCAGGGGTTTGCAGATTTTGTG

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

TAAGAAGCAGACTTTTAAACAAGGTGAAGTGGTATTTTGGTGCCCGCTGCCACATCGAGAA
GAAGAAGCAAACCTTTTAAATAAAGTGAAGTGGTATTTGGGTGCCCGCTGCCACATCGAGAA
GAAGAAGCAAACCTTTTAAATAAAGTGAAGTGGTATTTGGGTGCCCGCTGCCACATCGAGAA
GAAGAAGCAGACTTTTAAATAAAGTGAAGTGGTATTTGGGTGCCCGCTGCCACATCGAGAA
GAAGAAGCAGACTTTTAAATAAAGTGAAGTGGTATTTGGGTGCCCGCTGCCACATCGAGAA

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

AGCGAAAGGAACCGACCAGCAGAATAAAGAATACTGCAGTAAAGAAGGCCACATACTTAT
AGCCAAAGGAACCTGATCAGCAGAATAAAGAATATTGCAGTAAAGAAGGCCAACTTACTTAT
AGCCAAAGGAACCTGATCAGCAGAATAAAGAATATTGCAGTAAAGAAGGCCAACTTACTTAT
AGCGAAAGGAACAGATCAGCAGAATAAAGAATACTGCAGTAAAGAAGGCCAACTTACTGAT
AGCGAAAGGAACAGATCAGCAGAATAAAGAATACTGCAGTAAAGAAGGCCAACTTACTGAT

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

CGAGTGTGGAGCTCCGCGGAACCGAGGGAAGCGCAGCGACCTGTCTACTGCTGTGAGTAC
TGAATGTGGAGCTCCTCGATCTCAAGGACAACGGAGTGACCTGTCTACTGCTGTGAGTAC
TGAATGTGGAGCTCCTCGATCTCAAGGACAACGGAGTGACCTGTCTACTGCTGTGAGTAC
GGAGTGTGGAGCTCCTAGATCTCAGGGACAACGGAGTGACCTGTCTACTGCTGTGAGTAC
GGAGTGTGGAGCTCCTAGATCTCAGGGACAACGGAGTGACCTGTCTACTGCTGTGAGTAC

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

CCTTTTGGAGACGGGGTCTTTGGTGACTGTAGCCGAGCAGTTCCTGTAACGTATGTGAG
CTTGTGAGAGCGGGAGTCTGGTGACCGTTGCAGAGCAGCACCCTGTAACGTTTGTGAG
CTTGTGAGAGCGGGAGTCTGGTGACCGTTGCAGAGCAGCACCCTGTAACGTTTGTGAG
CTTGTGAGAGCGGGAGTCTGGTGACCGTTGCAGAGCAGCACCCTGTAACGTTTGTGAG
CTTGTGAGAGCGGGAGTCTGGTGACCGTTGCAGAGCAGCACCCTGTAACGTTTGTGAG

PCVPK-15
IMP999-ECO
IMP1010-ST
IMP1011-48
IMP1011-48

AAATTTCCGCGGGCTGGCTGAACCTTTTGAAAGTGAGCGGGAAAGATGCAGCAGCGTGATTG
AAATTTCCGCGGGCTGGCTGAACCTTTTGAAAGTGAGCGGGAAAGATGCAGCAGCGTGATTG
AAATTTCCGCGGGCTGGCTGAACCTTTTGAAAGTGAGCGGGAAAGATGCAGCAGCGTGATTG
AAATTTCCGCGGGCTGGCTGAACCTTTTGAAAGTGAGCGGGAAAGATGCAGCAGCGTGATTG
AAATTTCCGCGGGCTGGCTGAACCTTTTGAAAGTGAGCGGGAAAGATGCAGCAGCGTGATTG